Table 1: Modify Level 4 Text, Add Clarification & Change Release Attributes

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
CC	F-DMS-01110	13192	FPB	The EOC shall provide the capability to send archived data to a designated SDPS.		functional	approved	demo	unverified	97-0716A
CT	F-DMS-01110				FOS archived data will consist of the following data types: 1. FOS Detailed Activity Schedule 2. Predicted Ephemeris (FDF product) 3. Predicted Orbit Events (FDF product) 4. Predicted Ground Track (FDF product) 5. Predicted Orbit Numbers and Start Times (FDF product) 6. Generic FOS files					
CC	F-FUI-07710	10391	B	The FOS shall provide a count down clock. The count down clock will first count down		functional	approved	test		

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
				to the acquisition of signal time (AOS). After AOS, it will count down to the loss of signal time (LOS).						
CT	F-FUI-07710								unverified	
CC	F-PAS-10410	13036	~~B~~	The EOC shall provide the capability to schedule S-band contingency communication contacts.	Requirement met through M&O Procedures.	operational | procedural	approved	demo	unverified	97-0518B
CT	F-PAS-10410		FPB							
CC	F-PAS-10415	13037	~~B~~	The EOC shall provide the capability to receive S-band contingency communication contact times.	Requirement met through M&O procedures.	operational | procedural	approved	demo	unverified	97-0518B
CT	F-PAS-10415		FPB							
CC	F-RMS-03010	4972	B	The EOC shall monitor EOC hardware components for changes in status.	The status monitored tells the EOC that the component is active or inactive. ~~The monitor function will be provided by MSS tools that will be employed by the FOS~~	functional		demo		

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
					~~software.~~ Statuses will be reported to the DMS subsystem in the form of management events.					
CT	F-RMS-03010				The status monitored tells the EOC that the component is active or inactive. Statuses will be reported to the DMS subsystem in the form of management events.		approved		unverified	
CC	F-RMS-03030	4973	B	The EOC shall monitor software components for change in status.	The status of the software tasks monitored could be active~~,~~ inactive~~, or suspended. The monitor function will be provided by MSS tools that will be employed by the FOS software.~~ Statuses will be reported to the DMS subsystem in the form of management events.	functional		test		
CT	F-RMS-				The status of		approved		unverified	

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
	03030				the software tasks monitored could be active or inactive. Statuses will be reported to the DMS subsystem in the form of management events.					

Table 2: Modify RBR Release Attribute

REQ_BY_REL	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_INTERPRETATION	REQ_CATEGORY	SEGMENT_ALLOCATION	REQ_TYPE	S_VERIFICATION_METHOD	S_VERIFICATION_STATUS	A_VERIFICATION_METHOD	A_VERIFICATION_STATUS	CCR
CC	EOC-5020#B	9549		The EOC shall receive and process spacecraft telemetry data during spacecraft launch.			mission critical	FOS	functional	test	un-verified	test	un-verified	97-1089A
CT	EOC-5020#B		FPB											
EOT														

Table 3: Add New L3 F&PRS

L3_FPRS	PARAGRAPH_ID	OBJECT_ID	REQ_TITLE	CCR	TEXT
ADD	FOS-1170		Spacecraft Commands Issuance		The FOS shall allow individual instrument operations teams to use a specific set of spacecraft commands that are pre-defined by the flight operations team in their instrument activities and procedures.
EOT					

Table 4: Add New RBR

REQ_BY_REL	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_INTERPRETATION	REQ_CATEGORY	SEGMENT_ALLOCATION	REQ_TYPE	S_VERIFICATION_METHOD	S_VERIFICATION_STATUS	A_VERIFICATION_METHOD	A_VERIFICATION_STATUS	CCR
ADD	FOS-1170#B		FPB	The FOS shall allow individual instrument operations teams to use a specific set of spacecraft commands that are pre-defined by the flight operations team in their instrument activities and procedures.			mission essential	FOS	functional	demo	un-verified	demo	un-verified	
EOT														

Table 5: Add New Level 4s

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
ADD	F-CMS-00770		FPB	The FOS shall provide the capability for an instrument team to have the option of including a pre-defined set of spacecraft command mnemonics in an instrument command procedure definition.	The allowed set of spacecraft commands for each instrument is defined in an internal FOS configuration table that is editable by the FOT.	functional	approved	demo	unverified	
ADD	F-DMS-00190		FPB	The FOS shall provide the flight	If the FOT does not pre-define a set of	functional	approved	demo	unverified	

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
				operations team the capability to identify a set of pre-defined spacecraft command mnemonics which may be included in instrument activity definitions, instrument command procedure definitions, and instrument relative time command sequences.	spacecraft commands, then the instrument team will not be permitted to include any spacecraft commands in their activity definitions, command procedure definitions, and instrument relative time command sequences.					
ADD	F-DMS-01465		FPB	The EOC shall provide the capability for the EOC operator to configure a process to periodically purge FDF data from the local EOC database.		functional	approved	demo	unverified	
ADD	F-FOS-00341		FPB	The EOC shall maintain two sets of NCC addresses. One set will address the NCCDS operational system and the other will address the NCCDS test system.	Reference the Interface Control Document between the NCCDS and GSFC MOCs (530-ICD-NCCDS/MOC)	functional	approved	demo	unverified	
ADD	F-FOS-00342		FPB	The EOC will communicate with the NCC in such a way that the EOC	Reference the Interface Control Document between the	interface	approved	demo	unverified	

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
				can detect and reestablish connection to the NCCDS when the connection is lost.	NCCDS and GSFC MOCs (530-ICD-NCCDS/MOC)					
ADD	F-FOS-00700		FPB	The FOS shall report if CPU utilization is in excess of a configurable threshold at the occurrence of a configurable polling interval.	An event message will be generated when CPU utilization is in excess of 95 %.	functional	approved	demo	unverified	
ADD	F-FOS-00705		FPB	The FOS shall provide the capability to report file system resources usage including: a. Local disk partition inode availability, b. Local disk partition space availability, c. Number of bad NFS calls exceeds configurable thresholds at the occurrence of a configurable polling interval.	An event message will be generated when: a. Fewer than 150 inodes are available on the local disk partitions. b. Less than 15Mb of space is available on the local disk partition. c. The number of bad NFS calls increases or decreases 10% since the last poll.	functional	approved	demo	unverified	
ADD	F-FOS-00715		FPB	The FOS shall provide the capacity to report System resources usage, including:	An event message will be generated when: a. The Host goes up or down	functional	approved	demo	unverified	

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
				a. Swap Space Availability b. The number of Pageouts c. The number of Zombie processes on the host exceeds configurable thresholds at the occurrence of a configurable polling interval.	b. The amount of Swap Space available falls below 20 Mb. c. When the number of Pageouts increases beyond 80% d. When greater than 10 Zombie Processes are running on the host.					
ADD	F-FOS-00720		FPB	The FOS shall provide the capacity to report if specifiable daemons go down and come up.	An event message will be generated when: a. The Sybase daemon goes up or down. b. The Tivoli daemon goes up or down.	functional	approved	demo	unverified	
ADD	F-FOS-00725		FPB	The FOS shall report when a printer queue becomes unavailable and when it again becomes available.	An event message will be generated.	functional	approved	demo	unverified	
ADD	F-FOS-00730		FPB	The FOS shall report when host machines go down and come up.	An event message will be generated.	functional	approved	demo	unverified	
ADD	F-FOS-00735		FPB	The FOS shall report if the space available for the Tivoli (COTS) database is less than a	An event message will be generated when the local Tivoli database has less than 10 Mb available.	functional	approved	demo	unverified	

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
				configurable value.						
ADD	F-FUI-00005		FPB	The EOC shall generate the following Wall clock time displays: a. UTC b. Mission label c. Mission specific AOS d. Mission specific LOS	a. (DOY/HH:MM:SS) b. AM1, PM1, CHEM2 etc c. HH:MM:SS Time left until next scheduled TDRSS or ground station contact driven from the contact scheduler. The AOS Display counts down to Contact start then holds at 00:00:00 until end of contact. For a contact start of 153/02:00:00 this attribute would display 01:00:00 at 153/01:00:00. d. HH:MM:SS Time left in current contact. Prior to contact start, duration of next contact is displayed. When contact starts display counts down to zero. At 00:00:00 both AOS and LOS reset to the values for the next contact. Prior to a	functional	approved	demo	unverified	

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
					contact start for a 20 minute contact this attribute will display 00:20:00.					
ADD	F-FUI-00010		FPB	The EOC shall provide the user with the capability to change the font, size, and color of each individual mission's wall clock display.		functional	approved	demo	unverified	
ADD	F-FUI-00015		FPB	The EOC shall provide the user the ability to add, delete, and further edit wall clock display times.		functional	approved	demo	unverified	
ADD	F-FUI-00020		FPB	The EOC shall provide the user the ability to switch to and from other FOS display pages and the wall clock within 5 seconds using software commands.		performance	approved	demo	unverified	
ADD	F-FUI-02887		FPB	The FOS shall provide the capability for an instrument team to have the option of including a pre-defined set of spacecraft command mnemonics in an instrument	The allowed set of spacecraft commands for each instrument are defined in an internal FOS configuration table that is editable by the FOT.	functional	approved	demo	unverified	

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
				command procedure definition.						
ADD	F-FUI-02897		FPB	The FOS shall provide the capability to use parameters that are returned from a sub-procedure.	Returned parameter types may be characters or numeric values.	functional	approved	demo	unverified	
ADD	F-FUI-02898		FPB	The FOS shall provide the capability to assign line numbers to lines within a procedure.	The line numbers are assigned at the time of procedure definition.	functional	approved	demo	unverified	
ADD	F-FUI-05350		FPB	The FOS shall provide the capability to display line numbers for each line in the ground script.		functional	approved	demo	unverified	
ADD	F-FUI-05355		FPB	The FOS shall provide the capability to display procedure line numbers for procedures expanded in the ground script.	The ground script should display (at a minimum) the line number of the procedure, as defined in the procedure builder.	functional	approved	demo	unverified	
ADD	F-FUI-06475		FPB	The FOS shall provide the capability for the operator to direct ground script execution to jump to a specified point in the currently executing ground script.	The operator can select the line of the ground script to jump to. Since procedures are expanded in the ground script, the user can jump to a line in the middle of a procedure, if desired.	functional	approved	demo	unverified	
ADD	F-PAS-00230		FPB	The FOS shall	The allowed set	functional	approved	demo	unverified	

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
				provide the capability for an instrument team to have the option of including a pre-defined set of spacecraft command mnemonics in an instrument activity definition.	of spacecraft commands for each instrument are defined in an internal FOS configuration table that is editable by the FOT.					
ADD	F-PAS-10402		FPB	The EOC shall provide the capability to translate FDD-provided TDRS Ids used in planning products into a format acceptable for insertion into NCC schedule requests.	FDF provides the TDRS Ids in antenna view planning aids. FOS maintains a mapping of FDD TDRS Ids to NCC-approved TDRS Ids. The NCC-approved format for TDRS-IDs is changeable, so the FOS TDRS ID mappings must be editable by the EOC scheduler.	functional	approved	demo	unverified	
EOT										

Table 6: Add F&PRS to RBR Link

RELEASE_TO_L4	PARAGRAPH_ID	PARAGRAPH_ID
LINK	FOS-1170	FOS-1170#B
EOT		

Table 7: Add RBR to L4 Link

RELEASE_TO_L4	PARAGRAPH_ID	PARAGRAPH_ID
LINK	EOSD0760#B	F-FOS-00341
LINK	EOC-5030#B	F-FOS-00341
LINK	EOSD0760#B	F-FOS-00342
LINK	EOC-5030#B	F-FOS-00342
LINK	EOC-9020#B	F-FUI-05350
LINK	EOC-9010#B	F-FUI-06475
LINK	EOC-9040#B	F-FUI-02897
LINK	ICC-6540#B	F-FUI-02897
LINK	EOC-4018#B	F-PAS-00230
LINK	EOC-2010#B	F-PAS-10402
LINK	EOC-2030#B	F-PAS-10402
LINK	EOC-2400#B	F-PAS-10402
LINK	EOC-2405#B	F-PAS-10402
LINK	EOC-2410#B	F-PAS-10402
LINK	EOC-2520#B	F-PAS-10402
LINK	EOC-8150#B	F-FOS-00700
LINK	EOC-8150#B	F-FOS-00705
LINK	EOC-8150#B	F-FOS-00715
LINK	EOC-8150#B	F-FOS-00720
LINK	EOC-8150#B	F-FOS-00725
LINK	EOC-8150#B	F-FOS-00730
LINK	EOC-8150#B	F-FOS-00735
LINK	EOC-9020#B	F-FUI-00005
LINK	EOC-9020#B	F-FUI-00010
LINK	EOC-9020#B	F-FUI-00015
LINK	EOC-9020#B	F-FUI-00020
LINK	EOC-9020#B	F-FUI-05355
LINK	EOC-9080#B	F-FUI-02898
LINK	EOC-2010#B	F-DMS-01465
LINK	EOSD1505#B	F-PAS-10402
LINK	EOSD1520#B	F-PAS-10402
LINK	FOS-1170#B	F-PAS-00230
LINK	FOS-0040#B	F-FUI-00005

RELEASE_TO_L4	PARAGRAPH_ID	PARAGRAPH_ID
LINK	FOS-0040#B	F-FUI-00010
LINK	FOS-0040#B	F-FUI-00015
LINK	FOS-0040#B	F-FUI-00020
LINK	FOS-1170#B	F-FUI-02887
LINK	FOS-1170#B	F-CMS-00770
LINK	FOS-1170#B	F-DMS-00190
LINK	FOS-1170#B	F-FUI-02887
LINK	FOS-1170#B	F-CMS-00770
LINK	FOS-1170#B	F-DMS-00190
LINK	ICC-6080#B	F-FOS-00700
LINK	ICC-6080#B	F-FOS-00705
LINK	ICC-6080#B	F-FOS-00715
LINK	ICC-6080#B	F-FOS-00720
LINK	ICC-6080#B	F-FOS-00725
LINK	ICC-6080#B	F-FOS-00730
LINK	ICC-6080#B	F-FOS-00735
LINK	ICC-6520#B	F-FUI-05350
LINK	ICC-6520#B	F-FUI-05355
LINK	ICC-6580#B	F-FUI-02898
LINK	NI-0370#B	F-PAS-10402
LINK	NI-0340#B	F-PAS-10402
LINK	NI-0350#B	F-PAS-10402
LINK	NI-0365#B	F-PAS-10402
EOT		

Table 8: Delete Level 4s

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
DEL	~~F-FUI-07710~~	~~10391~~	~~B~~	~~The FOS shall provide a count down clock. The count down clock will first count~~		~~functional~~	~~approved~~	~~test~~	~~un-verified~~	

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
				~~down to the acquisition of signal time (AOS). After AOS, it will count down to the loss of signal time (LOS).~~						
EOT										